

CLAIMS

1. A weighted fluid extraction tube, comprising:

5 a fluid extraction tube having a fluid delivery end and a fluid pick-up end, wherein the fluid delivery end is configured for being attached to a body in a manner enabling fluid to be extracted from within a fluid container and dispensed via the body; and
a weighting element attached to the fluid extraction tube adjacent to the pick-up end of the fluid extraction tube, wherein the weighting element provides for displacement of the pick-up end of the fluid extraction tube to a gravity-induced position within the
10 fluid container.

2. The weighed fluid extraction tube of claim 1 wherein the fluid extraction tube extends approximately through a center of mass of the weighting element.

- 15 3. The weighed fluid extraction tube of claim 1 wherein the weighting element includes a metallic threaded nut.

4. The weighed fluid extraction tube of claim 3 wherein the fluid extraction tube extends approximately through a center of mass of the metallic threaded nut.

- 20 5. The weighed fluid extraction tube of claim 1 wherein:

the weighting element includes a bracket attached to the fluid extraction tube and a weight attached to the bracket; and
a center of mass of the weight is offset from a longitudinal axis of the fluid extraction
25 tube.

6. The weighed fluid extraction tube of claim 1 wherein:
the fluid extraction tube is flexible; and

a degree of flexibility of the fluid extraction tube is dependent upon a particular mass of the weighting element and a maximum specified displacement of the pick-up end of the fluid extraction tube.

7. A fluid extraction assembly, comprising:

a body mountable on a neck portion of a fluid container;

a fluid extraction tube attached at a delivery end thereof to the body, wherein the fluid

extraction tube is attached in a manner enabling fluid to be extracted from within the
fluid container and dispensed via the body; and

a weighting element attached to the fluid extraction tube adjacent to a pick-up end of the
fluid extraction tube, wherein the weighting element provides for displacement of the
pick-up end of the fluid extraction tube to a gravity-induced position within the fluid
container.

8. The fluid extraction assembly of claim 7 wherein the fluid extraction tube extends
approximately through a center of mass of the weighting element.

9. The fluid extraction assembly of claim 7 wherein the weighting element includes a metallic
threaded nut.

10. The fluid extraction assembly of claim 9 wherein the fluid extraction tube extends
approximately through a center of mass of the metallic threaded nut.

11. The fluid extraction assembly of claim 7 wherein:

the weighting element includes a bracket attached to the fluid extraction tube and a
weight attached to the bracket; and

a center of mass of the weight is offset from a longitudinal axis of the fluid extraction
tube.

12. The fluid extraction assembly of claim 7 wherein:

the fluid extraction tube is flexible; and

a degree of flexibility of the fluid extraction tube is dependent upon a particular mass of the weighting element and a maximum specified displacement of the pick-up end of the fluid extraction tube.

- 5 13. The fluid extraction assembly of claim 7 wherein the body is one of a body for a manual pump non-atomizing fluid dispenser, a body for a manual pump atomizing fluid sprayer, a body for an aerosol spray dispenser and a body for a hose-end sprayer.

14. A fluid dispensing apparatus, comprising:

a fluid container having a neck portion and a closed end generally opposite the neck portion;

a body mounted on the neck portion of the fluid container;

a fluid extraction tube attached at a delivery end thereof to the body, wherein the fluid extraction tube is attached in a manner enabling fluid to be extracted from within the fluid container and dispensed via the body; and

a weighting element attached to the fluid extraction tube adjacent to a pick-up end of the fluid extraction tube, wherein the weighting element provides for displacement of the pick-up end of the fluid extraction tube to a gravity-induced position within the fluid container.

15. The fluid dispensing apparatus of claim 14 wherein the fluid extraction tube extends approximately through a center of mass of the weighting element.

16. The fluid dispensing apparatus of claim 14 wherein the weighting element includes a metallic threaded nut.

17. The fluid dispensing apparatus of claim 16 wherein the fluid extraction tube extends approximately through a center of mass of the metallic threaded nut.

18. The fluid dispensing apparatus of claim 14 wherein:

the weighting element includes a bracket attached to the fluid extraction tube and a weight attached to the bracket; and

a center of mass of the weight is offset from a longitudinal axis of the fluid extraction tube.

19. The fluid dispensing apparatus of claim 14 wherein:

the fluid extraction tube is flexible; and

a degree of flexibility of the fluid extraction tube is dependent upon a particular mass of the weighting element and a maximum specified displacement of the pick-up end of the fluid extraction tube.

- 5 20. The fluid dispensing apparatus of claim 14 wherein the body is one of a body for a manual pump non-atomizing fluid dispenser, a body for a manual pump atomizing fluid sprayer, a body for an aerosol spray dispenser and a body for a hose-end sprayer.